

## COATING DATA

### DESCRIPTION:

Mortarchem is a high performance, ceramic modified, cementitious epoxy mortar for providing a smooth surface over spalled, pitted, poured and precast concrete. Mortarchem is light weight, easy to use and is ideal for patching and filling voids and bug holes in masonry substrates. Mortarchem can be topcoated with most Induron high performance epoxies and polyurethanes for use in most atmospheric and immersion exposures.

## MORTARCHEM CERAMIC MODIFIED CEMENTITIOUS MORTAR

- High build coating that may be applied up to ¼" in one coat.
- Complies with current U.S. EPA National Volatile Organic Compound (VOC) Emission Standards for OTC states effective January 1, 2005 and proposed for national AIM regulations in 2009.

### USE:

Mortarchem is ideal for smoothing and protecting vertical concrete surfaces.

### LIMITATIONS:

Do not use in applications below 45° F or above 100° F.

### SURFACE PREPARATION:

Prepare substrate as per the recommendation of the specified topcoat for the intended exposure and service.

New concrete must cure for at least 28 days. Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP 13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast or mechanically abrade concrete surfaces to remove laitance, curing compounds, and other contaminants to provide and ICRI-SCP 4-6 surface profile. This material is not recommended for substrates and/or exposures subject to hydrostatic pressure.

### THEORETICAL COVERAGE:

@ 1/16"	64 ft <sup>2</sup>
@ 1/8"	32 ft <sup>2</sup>
@ 1/4"	16 ft <sup>2</sup>

## APPLICATION DATA

### BLEND RATIO:

Thoroughly mix one Part Mortarchem Part A Base to one part Mortarchem Part B Activator with the contents of Mortarchem Part C. Blended kit yields 2 ½ Gallons of material.

**POT LIFE:** 30 minutes @90F, 2 hours@50F

**APPLICATION:**

Dampen bare masonry with clean water prior to the application of Mortarchem.

**Trowel:** Use high quality steel, stiff concrete finishing trowels, broad knives and rubber floats. A radius or margin trowel is recommended for troweling inside and outside corners.

**Hydraulic Spray:** Use of a WIWA 410 9:1 or 600 12:1 pump may be used to spray material on to substrate. For a smoother appearance when sprayed, trowel and/or use a ¼" nap roller cover to back roll.

When MortarChem is firm, surface irregularities may be removed by sanding or screening.

**THINNING:**

Not required. For low pressure spray application to transfer the Mortarchem, may thin up to 6 oz. per kit with potable water.

**CLIMATE:**

Use this product only if the substrate temperature and ambient air temperature are between 45°F and 90° F.

**DRY TIME:**

TO TOUCH— 2 hours @90F, 4 hours @ 70F, 8 hours @50F.

TO RECOAT WITH ITSELF—anytime up to 2 hours maximum

TO TOPCOAT -16 hours minimum

**PHYSICAL DATA:**

VOLUME SOLIDS: 100% (mixed)

SOLIDS BY WEIGHT: 100% (mixed)

WEIGHT PER GALLON: 9.5± .2 lbs./per gallon

VOLATILE ORGANIC CONTENTS: .57 lbs./gallon or 68 g/l

HAZARDOUS AIR POLLUTANTS (HAPS) – 0.0 lbs./gallon

COLOR: Gray

**SAFETY DATA:**

See individual product label for safety and health information. Individual Material Safety Data Sheets are available upon request.